

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P772630

Luminaire Tested: LD6D85BD010-EU6DR3070959027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR3070959027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10266.6 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

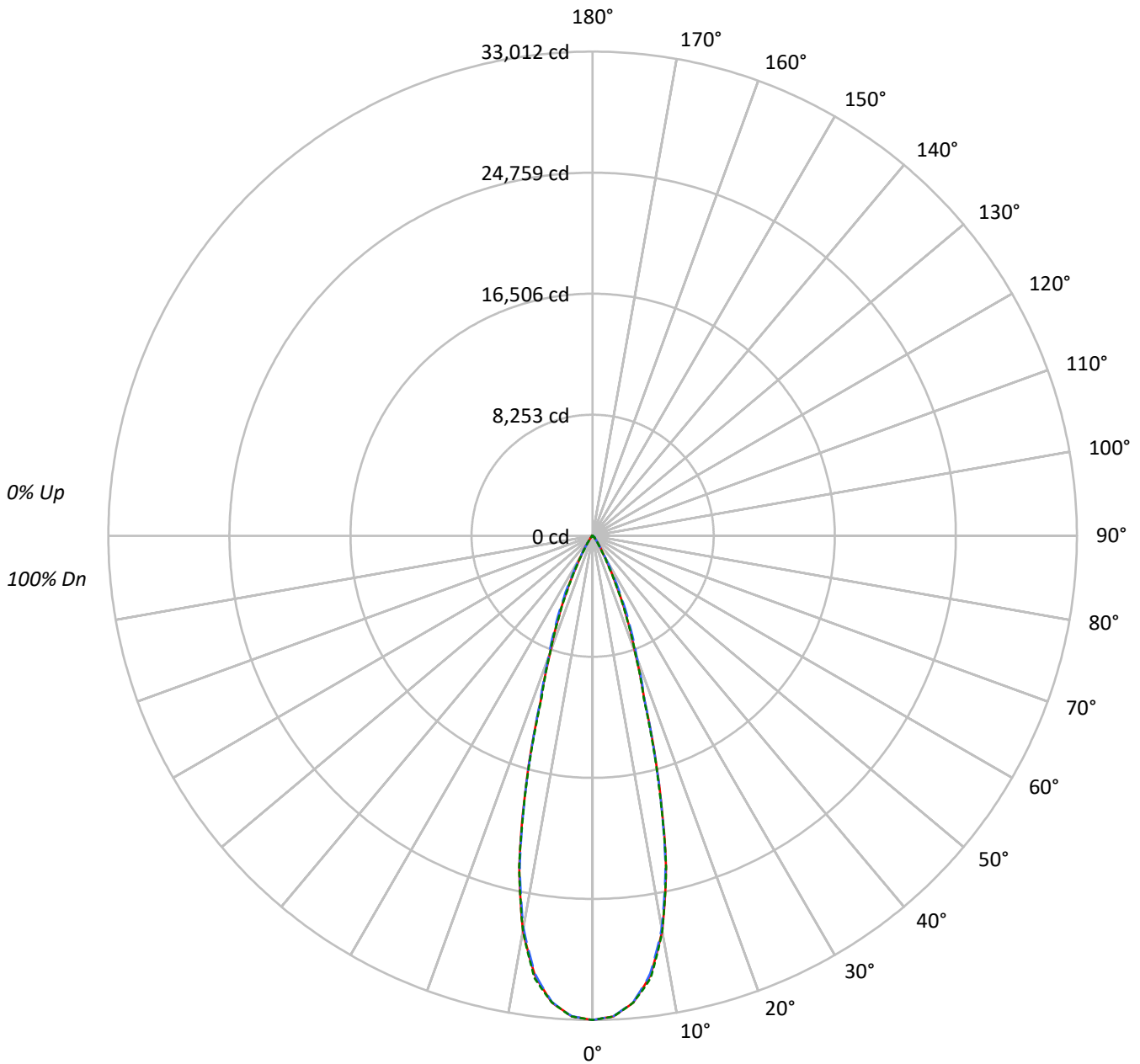


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2526843	2526843	2526843
5°	2454304	2451446	2454434
10°	2125804	2110811	2125298
15°	1386976	1379527	1372593
20°	689678	715556	688757
25°	347411	391767	340291
30°	139100	151562	121193
35°	64522	61793	51795
40°	27858	30935	26239
45°	19647	24388	19820
50°	6752	17755	7145
55°	3897	7353	4110
60°	2725	3230	2725
65°	1757	1757	1757
70°	1097	716	1097
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 24388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2902.9	28.3
10°-20°	4675.1	45.5
20°-30°	2020.3	19.7
30°-40°	460.5	4.5
40°-50°	158.1	1.5
50°-60°	38.6	0.4
60°-70°	10.0	0.1
70°-80°	1.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9598.3	93.5
0°-40°	10058.8	98.0
0°-60°	10255.5	99.9
0°-90°	10266.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10266.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33012	33012	33012	33012	33012	
5°	31942	31911	31905	31971	31944	2905
15°	17503	17292	17409	17352	17321	4687
25°	4114	4269	4639	4160	4029	1969
35°	690	705	661	656	554	468
45°	182	225	225	225	183	129
55°	29	31	55	32	31	28
65°	10	10	10	10	10	10
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33011.9	33011.9	33011.9	33011.9	33011.9
2.5°	32793.1	32770.4	32783.4	32799.6	32806.1
5°	31942.2	31911.4	31905.0	31971.4	31943.9
7.5°	30225.8	30182.1	30115.6	30266.3	30407.4
10°	27350.6	27302.0	27157.7	27229.0	27344.1
12.5°	23105.8	22948.6	22945.3	23172.2	23141.4
15°	17502.7	17292.0	17408.7	17352.0	17321.2
17.5°	11770.1	11689.0	11844.6	11797.6	11595.0
20°	8466.9	8488.0	8784.6	8635.5	8455.6
22.5°	6178.4	6254.6	6606.3	6222.2	6081.1
25°	4113.5	4269.1	4638.7	4160.5	4029.2
27.5°	2530.0	2601.3	2975.7	2497.6	2426.3
30°	1573.8	1538.1	1714.8	1471.7	1371.2
32.5°	1032.4	987.1	1043.8	936.8	855.8
35°	690.5	705.0	661.3	656.4	554.3
37.5°	431.1	496.0	437.6	466.8	356.6
40°	278.8	359.8	309.6	342.0	262.6
42.5°	228.5	277.2	254.5	270.7	233.4
45°	181.5	225.3	225.3	225.3	183.1
47.5°	100.5	150.7	192.9	154.0	107.0
50°	56.7	76.2	149.1	79.4	60.0
52.5°	38.9	43.8	102.1	45.4	40.5
55°	29.2	30.8	55.1	32.4	30.8
57.5°	22.7	24.3	29.2	24.3	22.7
60°	17.8	17.8	21.1	19.4	17.8
62.5°	13.0	13.0	14.6	13.0	13.0
65°	9.7	9.7	9.7	9.7	9.7
67.5°	4.9	6.5	6.5	6.5	6.5
70°	4.9	3.2	3.2	3.2	4.9
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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